### **ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

#### Electronic Version v18

Stylesheet Version v18.0

Title of Invention

METHOD OF DESIGNING A MANUFACTURING ASSEMBLY LINE

**Application Number:** 

Confirmation Number:

First Named Applicant:

Abid Ghuman

Attorney Docket Number: 81096258 / FMC 1627 PUS

Art Unit:

Examiner:

Search string:

( 4069764 or 4670961 or 4683651 or 4738387 or 4776085 or 4829445 or 5105534

or 5127569 or 5152050 or 5239739 or 5272805 or 5386621 or 6185469 or 6308496

or 6324749 or 5014901 or 6334252 or 6378190 or 6438842 or 6642423 or

20020056189 or 20020077721 ).pn

#### **US Patent Documents**

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
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CA	3	4683651	1987-08-04	Taketani, et al.			
A	4	4738387	1988-04-19	Jaufmann, et al.	·. ·		
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Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
14	1	20020056189	2002-05-16	Oatridge, et al.	A1		
7A	2	20020077721	2002-06-20	Linn, et al.	<b>A</b> 1		

## **Signature**

Examiner Name	Date
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PTO/SB/08A (10-96) [MODIFIED]
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for Form 1449A/PTO **Application Number** 10/708,817 **INFORMATION DISCLOSURE** Filing Date March 26, 2004 STATEMENT BY APPLICANT **First Named Inventor** Abid Ghuman et al. **Group Art Unit** Unknown (use as many sheets as necessary) Examiner Name Unknown of 2 Attorney Docket Number 81096258 (FMC 1627 PUS) Sheet 1

				U.S. PATENT DO	CUMENTS	
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Examiner Initials	Cite No.1	Number ,	Kind Code <sup>2</sup> ( <i>if known</i> )	Name of Patentee or Applicant of Cited Document	' Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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<sup>\*</sup>EXAMINER: Initial it-reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute to	r Form 1449A/PT	0		Complete if Known				
				Application Number	10/708,817			
	RMATIO			Filing Date	March 26, 2004			
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				Group Art Unit	Unknown			
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Sheet	2	of	2	Attorney Docket Number	81096258 (FMC 1627 PUS)			

				U.S. PATENT DOC	CUMENTS	•	
1		U.S. PATENT	DOCUMENT		Date of Publication of		
Examiner Initials	Cite No.¹	Number	Kind Code <sup>2</sup> ( <i>if known</i> )	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
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CA		P EP (	346 816	B1	Nissan Motor Co.	12-20-1989			
CA		* EP (	0 446 518	A1	501 Permaflex Co.	09-18-1991			
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ² Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-96) [MODIFIED] Approved for use through 10/31/99. OMB 0651-0031 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office: U.S. DEPARTMENT OF Complete if Known

Complete if Known

Application Number 10/708,817 INFORMATION DISCLOSURE **Filing Date** March 26, 2004 STATEMENT BY APPLICANT **First Named Inventor** Abid Ghuman et al. 2121 **Group Art Unit** (use as many sheets as necessary) **Examiner Name** Unknown 3 Attorney Docket Number 202-1171&202-1172 (FMC1627PUS) of 1 Sheet

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(A		EP 0 346 816	B1	Nissan Motor Co.	06-12-1989					
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<sup>\*</sup>EXAMINER: Initial interference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents.3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

\*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. \*Applicant is to place a check mark here .. if English language Translation is attached.

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Substitute for Form 1449A/PTO				Complete if Known		
				Application Number	10/708,817	
INFORMATION DISCLOSURE				Filing Date	March 26, 2004	
STATEMENT BY APPLICANT			ICANT	First Named Inventor	Abid Ghuman et al.	
				Group Art Unit	2121	
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Sheet	2	of	3	Attorney Docket Number	202-1171&202-1172 (FMC1627PUS)	

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Examiner Initials	Cite No.1	Number	Kind Code <sup>2</sup> ( <i>if known</i> )	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
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	FOREIGN PATENT DOCUMENTS							
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tnitials	No.1	Office 3 Number 4	(if known)	Applicant of Cited Document	MM-DD-YYYY	Figures Appear		
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Date Examiner Considered Signature \*EXAMINER: tnitial it/reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

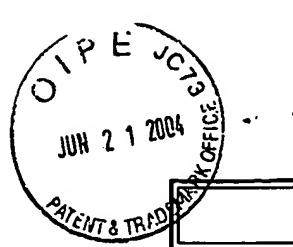
<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Complete if Known Substitute for Form 1449B/PTO 10/708,817 Application Number INFORMATION DISCLOSURE March 26, 2004 Filing Date STATEMENT BY APPLICANT Abid Ghuman et al. First Named Inventor 2121 Group Art Unit (use as many sheets as necessary) Unknown Examiner Name 3 of 202-1171&1172 (FMC1627PUS) Sheet **Attorney Docket Number** 3 OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), Examiner T<sup>2</sup> publisher, city and/or country where published. Initials ' Cite No.1 Hans Kurt Toenschoff; Axel Schnuelle, High Productive And Reconfigurable Manufacturing Systems (HIPARMS) C. Jarvis, Cell Technology and Flexible Manufacturing Systems, http://sol.brunel.ac.uk/~jarvis/bola/jit/cellsfms.html Alliance Introduces New Line of Modular Manufacturing Systems, www.allianceauto.com/news3,1.html Spring 1996 Models for Specification and Control of Flexible Manufacturing Systems, www.cs.chalmers.se/~andreass/cfms/Bilder\_fran\_Lulea/index. html 3/27/97 Gary S. Vasilash, Honda's Hat Trick, Automotive Design Production, www.autofieldguide.com/articles/article\_print.cfm An American in Graz, Daimler Chrysler Totally Integrated Automotive Special 2000 U 1 John Sprovieri, The Perils and Profits of Assembly Cells -Assembly, Business News Publishing Company, July, 2002 James V. Higgins, The Detroit News, Honda Continues to Fine Tune the Art of Automobile Making, 7/28/02

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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## **ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

Electronic Version v18 Stylesheet Version v18.0

> Title of Invention

METHOD OF DESIGNING A MANUFACTURING **ASSEMBLY LINE** 

**Application Number:** 

10/708817

Confirmation Number:

2816

First Named Applicant: Abid Ghuman

Attorney Docket Number: 81096258 / FMC 1627

Search string:

(4738387).pn.

### **US Patent Documents**

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	4738387	1988-04-19	Jaufmann et al.			

## Signature

Examiner Name	Date
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